Title	: **PAYNET MOCK BANK SIMULATOR**
Proposal Closing Date	: **5 April 2024, 12.00pm**
Body	: Payments Network Malaysia Sdn. Bhd. (PayNet) invites qualified and experienced media provider who fulfill the requirements listed below to provide **PayNet Mock Bank Simulator.**

Mandatory Requirements:

1. **Account Management Simulation:**
    a. **Tools to simulate account creation, modification, and closure processes for B2B and B2C.**
    b. **Ability to verify and authenticate user identities during account creation.**
    c. **Simulation of account freezes, holds, and other security-related features.**

2. **Comprehensive transaction simulation:**
    a. **Ability to simulate various transaction types, including fund transfers, bill payments, and withdrawals for our DuitNow [Transfer, Autodebit consent payment, proxy payment] and MyDebit Transaction [Card Present and Card Not Present].**
    b. **Support for different transaction statuses (success, failure, pending) to mimic real-world scenarios.**

3. **Fund transfer simulation:**
    a. **Simulation of interbank transfers, third-party transfers, and scheduled transactions.**
    b. **Testing capabilities for multi-currency transactions with accurate currency conversion simulation.**

4. **Real-Time Balance Tracking:**
    a. **Simulation of real-time balance updates and accurate balance tracking.**

5. **Integration Testing Features:**
    a. **API enabled integration. A front end application ability to inject few transaction to multiple account in the core banking system.**
    b. **Ability to simulate interactions with diverse banking systems and third-party services.**
    c. **Tools for testing APIs and ensuring smooth integration with external financial institutions.**

6. **Direct Debit and Standing Orders Testing:**
    a. **Simulation of direct debit and standing order transactions, including recurring payments.**
    b. **Testing features to ensure the accurate processing of recurring payment instructions.**

7. **Batch Processing Simulation:**
    a. **Ability to simulate batch processing tasks, such as overnight updates and bulk transactions.**
    b. **Testing support for high-volume processing to assess system performance.**

8. **Cross-Border Transaction Simulation:**

      a. **Tools for simulating cross-border transactions with accurate currency conversion.**

      b. **Testing features to assess compliance with international banking standards and regulations.**

9. **Account Reconciliation Testing**

      a. **Simulation capabilities for reconciling transaction records with banking statements.**

      b. **Tools to detect and resolve discrepancies in financial records.**

10. **Automatic Clearing House (ACH) Transaction Simulation:**

      a. **Simulation of ACH transactions, including automated clearing and settlement processes.**

      b. **Testing features for accurate and timely processing of ACH transactions.**

11. **Card Issuance and Management:**

      a. **The ability to issue physical and virtual cards.**

      b. **Enables the creation and management of both physical and virtual cards for customers, including the assignment of unique card numbers, expiration dates, and security codes.**

12. **Card-present Transaction Handling:**

      a. **ISO8583 message specification for MyDebit**

      b. **Point-of-sale (POS) transactions for card-present scenarios.**

      c. **Supports secure and efficient processing of transactions where the physical card is presented at a point of sale, typically through chip or magnetic stripe reading.**

13. **Card-not-present Transaction Handling**

      a. **3D host and authentication capability**

      b. **Online and remote transactions for card-not-present scenarios.**

      c. **Enables secure processing of transactions where the cardholder is not physically present, commonly seen in e-commerce, mail-order, or telephone transactions.**

Issuance of RFQ Document:

To receive the RFQ document, the interested Bidder must **register interest** to participate in this exercise by sending an e-mail to Procurement Secretariat at procurement@paynet.my with the e-mail subject "[Name of Company]'s indication of interest for **PayNet Mock Bank Simulator.**

Only e-mail indication of interest received **before or at 12.00pm, 2 April 2024** (based on PayNet's mail server time stamp) with the required attachment stated above will be entertained. PayNet will not provide any acknowledgement of receipt in response to Bidder's indication of interest e-mail. The RFQ document will be issued via e-mail to Bidder at no cost after the closing registration time.

Proposal Closing Date:
The closing date and time for the submission of the proposal is at **5 April 2024, 12.00pm**

Enquiries:
Please contact the Procurement, Siti Noor Aminah Binti Yahaya, via e-mail at procurement@paynet.my